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A List of the Described Species of Fossil Amphibia, . *Roy L. Moodie.*

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THE KANSAS UNIVERSITY SCIENCE BULLETIN.

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A List of the Described Species of Fossil Amphibia.

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SOME of the species listed below may be regarded as reptiles, but most of the species herewith given certainly belong to the amphibian phase of vertebrate development. My excuse for publishing such a list is that no such list exists and it will undoubtedly be of service to some one in the future who undertakes the examination of these forms. The list was prepared in connection with my studies of the Carboniferous Amphibia of North America.

No attempt has been made to construct a complete catalogue of the species of fossil Amphibia, showing synonomy and indicating all references. This will be left to others. The list will serve the purpose of showing the geographical distribution of fossil Amphibia and the number of species described, as well as indicating the original place of description of each species. There is no doubt that many of the species listed below are synonyms, but in the present imperfect state of our knowledge of the species a correct arrangement of them would be almost impossible and nearly worthless. The list is written primarily with a view to a revision of the genera and species of the fossil Amphibia of the world and is published here as

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an aid to those who may have occasion to use it. The list given below is believed to be fairly complete up to June, 1912.

Acanthostoma vorax Credner. Permian of Saxony. Credner, 1883—Zeit. d. Deutsch. Geol. Gesell., p. 288.

Acheloma cumminsi Cope. Permian of Texas. Cope, 1882—Proc. Amer. Phil. Soc., p. 456.

Actinodon brevis Gaudry. Permian of France. Gaudry — Nouvelles Archiv. Mus. Hist. Nat. (2), X, pp. 1-32.

Actinodon latirostris Jordan. Permian of France. Von Meyer—Paleontographica, Bd. VI, p. 211.

Adenoderma gracile Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 126, Taf. 19, fig. 1.

Algeinosaurus aphthitos Case. Permian of Texas. Case, 1911—Carnegie Institute Publication, No. 146, p. 60.

Amblyodon problematicus Dawson. Carboniferous of Nova Scotia. Dawson, 1882—Phil. Trans. Royal Soc., London, p. 644.

Amphibamus grandiceps Cope. Carboniferous of Illinois. Cope, 1865—Proc. Acad. Natl. Sci., Phila., p. 134.

Amphibamus thoracatus Moodie. Carboniferous of Illinois. Moodie, 1911—Proc. U. S. Natl. Museum, 40, p. 431, fig. 2.

Anaschisma browni Branson. Triassic of Wyoming. Branson, 1905—Journ. Geol., xiii, p. 585, figs. 1-8.

Andrias scheuchzeri, Tschudi. Miocene of Switzerland. Von Meyer, 1845—Fauna der Vorwelt, Bd. I, p. 28, pl. 10.

Andrias tschudii von Meyer. Miocene Lignite of Switzerland. Von Meyer—Paleontographica, Bd. 7, p. 49, pl. ix.

Anisodexis enchodus Cope. Carboniferous of Ohio. Cope, 1885—Proc. Amer. Assn. Adv. Sci., p. 406.

(This species probably belongs in the genus *Sauropleura*, there is no assurance that it belongs in *Anisodexis*.)

Anisodexis imbrecarius Cope. Permian of Texas. Cope, 1882—Proc. Amer. Philos. Soc., xx, p. 459.

Anthracerpton crassosteum Owen. Carboniferous of England. Owen, 1865—Geol. Mag., Dec. I, Vol. II, p. 6.

Anthracosaurus edgei Bailey. Carboniferous of England. Bailey, 1875—Rept. Brit. Assn., p. 62.

Anthracosaurus raniceps Goldenburg. Carboniferous of Germany. Goldenburg, 1873—Fauna saraepontana fossilis, heft 1, p. 4, taf. 1, fig. 1.

Anthracosaurus russelli Huxley. Carboniferous of Scotland. Huxley, 1863—Q. J. G. S., xix, p. 56, fig. 1.

Apateon pedestris von Meyer. Carboniferous of Germany. Von Meyer, 1844—Neues Jahrb. f. Mineral., p. 336.

Aphaneramma rostratum Woodward. Triassic of Spitzbergen. Woodward, 1904—Proc. Zool. Soc., London, II, p. 173.

Archegosaurus austricus Makowsky. Makowsky, 1876—Sitz. k. Akad. wiss. Wien. I, lxxiii, hft. 3, p. 155-166.

Archegosaurus decheni Goldfuss. Upper Carboniferous of Germany. Goldfuss—Paleontographica, Bd. vi, p. 69-211, pl. xi-xxiii.

Archegosaurus latifrons Geinitz und Deichmüller. Permian of Saxony. Paleontographica, Bd. xxix, p. 21, pl. vi.

Archegosaurus ornatus Woodward. Permo-carboniferous of India. Paleontologia Indica, 1905—N. S. II, p. 11, pl. x.

Aspidosaurus apicalis Cope. Permian of New Mexico. Cope, 1881—Amer. Natl., xv, p. 1020.

Aspidosaurus chiton Broili. Permian of Texas. Broili, 1904—Paleontographica, Bd. LI, p. 40.

Aspidosaurus crucifer Case. Permian of Texas. Case, 1903—Journ. Geol., xi, p. 399.

Aspidosaurus glascocki Case. Permian of Texas. Case, 1901—Bull. Amer. Mus. Natl. Hist., xxviii, p. 179.

Aspidosaurus novomexicanus Williston. Permian of New Mexico. American Permian Vertebrates, 1911, p. 12, pl. xxxviii, fig. 1.

Aspidosaurus peltatus Williston. Permian of New Mexico. American Permian Vertebrates, 1911, p. 13, pl. xxxii, fig. 7.

Baphetes minor Dawson. Carboniferous of Nova Scotia. Dawson, 1870—Q. J. G. S., xxvi, p. 166.

Baphetes planiceps Owen. Carboniferous of Nova Scotia. Owen, 1854—Q. J. G. S., x, p. 207, pl. ix.

Batrachiderpeton lineatus Hancock and Atthey. Carboniferous of England. Hancock and Atthey, 1870—Ann. and Mag. Natl. Hist., 4th series, VI, p. 56, pl. 1.

Batrachosaurus (*Saurosternon*) *hainii* Huxley. Trias of South Africa. Huxley, 1868—Geol. Mag., ser. 1, v. p. 201. Owen, 1876—Cat. Fossil Rept. South Africa, p. 69, pl. 70.

(This species was regarded by Huxley as a reptile allied to *Telerpeton*, but Owen later referred it to the Labyrinthodonts.)

Batrachosuchus browni Broom. Karoo beds of South Africa. Broom, 1903—Geol. Mag. (iv), x, p. 1.

Bothriceps australis Huxley. Triassic of Australia. Huxley, 1859—Q. J. G. S., xv, p. 647, pl. xxii.

Bothriceps huxleyi Lydekker. Karoo beds of South Africa. Lydekker, 1889—Ann. Mag. Natl. Hist., ser. 6, IV, p. 476.

Bothriceps (*Petrophryne*) *major* Owen. Karoo Beds of South Africa. Owen, 1876—Cat. Fossil Reptiles South Africa, p. 68.

Bothriceps woodwardi Moodie. Carboniferous of Australia. Moodie, 1910—Amer. Natl., xliv, p. 367.

Brachydectes newberryi Cope. Carboniferous of Ohio. Cope, 1868—Proc. Acad. Natl. Sci., Phila., p. 214.

Brachyops laticeps Owen. Mangli Group (Jurassic?) (Trias) of India. Owen, 1854—Q. J. G. S., X, p. 473, XI, p. 37, pl. ii.

Branchiosaurus ambystomus Credner. Permian of Saxony. Credner, 1881—Zeit. d. Deutsch. Geol. Gesell., p. 574.

Branchiosaurus caducus von Ammon. Permain of Germany. Von Ammon, 1889—Permische Amphibien, p. 81, pl. iv, fig. 1.

Branchiosaurus (*Protriton*) *fayoli* Thevenin. Carboniferous of France. Thevenin, 1906—Ann. de Paleont., I, pt. 3, pp. 1-19, pl. 1.

Branchiosaurus moravicus Fritsch. Permain of Bohemia. Fritsch, Fauna der Gaskohle, Bd. I, p. 82, Taf. 7, figs. 1-5.

Branchiosaurus (*Protriton*) *petrolei* Gaudry. Permian of France. Gaudry, 1875—Bul. Soc. Geol. de France, p. 300, pl. 7-8.

Branchiosaurus robustus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 84, Taf. 10, figs. 8-10.

Branchiosaurus salamandroides Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 69, Taf. 1-5.

Branchiosaurus umbrosus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 81, Taf. 7, figs. 1-6.

Branchiosaurus venosus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 83, Taf. 8, figs. 5-6.

Bufo melanosticus Schneider. Pleistocene of India. Lydekker, 1890—Cat. Fossil Rept. and Amphibia, pt. iv, p. 128.

Capitosaurus arenaceus Münster. Keuper and Bunter of Europe. Münster, 1836—Neues Jahrb., f. Mineral., p. 580.

Capitosaurus fronto von Meyer. Trias of Germany. Von Meyer, 1856—Paleontographica, Bd. vi, p. 229, pl. 28.

Capitosaurus nasutus von Meyer. Triassic of Germany. Von Meyer, 1856—Paleontographica, Bd. vi, p. 222, pl. 24.

Capitosaurus (*Cyclotosaurus*) *robustus* von Meyer. Keuper of Germany. Von Meyer, 1844—Paleont. Würtemburgs, p. 6.

Capitosaurus stantonensis Woodward. Triassic of England. Woodward, 1904—Proc. Zool. Soc. London, II, p. 170, pl. 11.

Cardiocephalus sternbergi Broili. Permian of Texas. Broili, 1904—Paleontographica, Bd. 51, p. 45, pl. vi.

Cephalerpeton ventriarmatum Moodie. Carboniferous of Illinois. Moodie, 1912—Kans. Univ. Sci. Bull., vi, p. 350, pl. 1, fig. 4; pl. 7, fig. 2.

Ceraterpeton galvani Huxley. Carboniferous of Ireland. Huxley, 1867—Trans. Roy. Irish Acad., xxiv, p. 354, pl. 19.

Ceratophrys cornuta Linnè. Pleistocene of Brazil. Lydekker, 1890—Cat. Fossil Amph. and Rept., pt. iv, p. 127.

Cercariomorphus parvisquamis Cope. Carboniferous of Ohio. Cope, 1885—Proc. Amer. Philos. Soc., p. 405.

Cochleosaurus bohemicus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 30, Taf. 60, figs. 1-4.

Cochleosaurus falax Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 31, Taf. 60, fig. 4.

Cocytinus gyrinoides Cope. Carboniferous of Ohio. Cope, 1871—Proc. Amer. Philos. Soc., p. 177.

Cricotillus brachydens Case. Permian of Oklahoma. Case, 1902—2d Ann. Rpt. Dept. Geol. and Natl. Hist. Territory Oklahoma, p. 65.

Cricotus crassidiscus Cope. Permian of Texas. Cope, 1884—Proc. Amer. Philos. Soc., p. 28.

Cricotus gibsonii Cope. Carboniferous of Illinois. Cope, 1877—Proc. Amer. Philos. Soc., p. 185.

Cricotus heteroclitus Cope. Carboniferous of Illinois. Cope, 1875—Proc. Acad. Natl. Sci. Phila., p. 405.

Cricotus hypantricus Cope. Permian of Texas. Cope, 1884—Proc. Amer. Philos. Soc., p. 29.

Cricotus sp. indet. Carboniferous of Illinois. Case, 1900—Journ. Geol. viii, p. 709, pl. v, fig. 13-16.

Crossotelos annulatus Case. Permian of Oklahoma. Case, 1902—2d Ann. Rpt. Dept. Geol. and Natl. Hist. Territory of Oklahoma, p. 65.

Ctenerpeton alveolatum Cope. Carboniferous of Ohio. Cope, 1897—Proc. Amer. Philos. Soc., p. 83, pl. iii.

Cyclosaurus albertyni Broom. Karoo Beds of South Africa. Broom, 1904—Records of the Albany Museum, I, No. 3.

Dasyceps bucklandi Lloyd. Permian of England. Huxley, 1859—Mem. Geol. Surv. United Kingdom, pp. 52-56, fig.; Memoirs, vol. II, p. 263.

Dawsonia polydens Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 90, Taf. 11, figs. 1-4.

Dendrerpeton acadianum Owen. Carboniferous of Nova Scotia. Owen, 1853—Q. J. G. S., IX, p. 66.

Dendrerpeton deprivatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 9, Taf. 51.

Dendrerpeton foveolatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 8, Taf. 49.

Dendrerpeton owenii Dawson. Carboniferous of Nova Scotia. Dawson. 1863—Cand. Naturalist & Geol., VIII, p. 161.

Dendrerpeton pyriticum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 6, Taf. 49-50.

Diadetognathus varvicensis Miall. Keuper of Warwick. Miall. 1874—Q. J. G. S., XXX, p. 425, pl. 27-28.

Diceratosaurus laevis Moodie. Carboniferous of Ohio. Moodie. 1908—Journ. Geol., XVII, 63, figs. 13-14.

Diceratosaurus (*Ceraterpeton*) *punctolineatus* Cope. Carb. of Ohio. Cope, 1875—Geol. Surv. Ohio, II, p. 372, pl. 41, fig. 4.

Diceratosaurus robustus Moodie. Carboniferous of Ohio. Moodie, 1908—Journ. Geol., XVII, 67, fig. 15.

Dictyocephalus elegans Leidy. Triassic of North Carolina. Leidy, 1856—Proc. Acad. Natl. Sci. Phila., p. 256.

Diplocaulus copei Broili. Permian of Texas. Broili, 1904—Paleontographica, Bd. 51, p. 21, pls. 2, 3.

Diplocaulus limbatus Cope. Permian of Texas. Cope, 1896—Proc. Amer. Phil. Soc., 34, p. 456.

Diplocaulus magnicornis Cope. Permian of Texas. Cope, 1882—Proc. Amer. Philos. Soc., XX, p. 453.

Diplocaulus pusillus Broili. Permian of Texas. Broili, 1904—Paleontographica, Bd. 51 p. 24, pl. vi.

Diplocaulus salamandroides Cope. Carboniferous of Illinois. Cope, 1877—Proc. Amer. Philos. Soc., xvii, p. 187.

Diplovertebron punctatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 11, Taf. 50, 52, 53.

Discosaurus permianus Credner. Permian of Saxony. Credner, 1890—Zeit. d. Deutsch. Geol. Gesell., p. 258, pls. x, xi.

Dissorophus multicinctus Cope. Permian of Texas. Cope, 1895—American Naturalist, XXIX, p. 998.

Dolichosoma (*Ophiderpeton*) *angustatum* Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 117, Taf. 21.

Dolichosoma crenatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. IV, p. 88, text fig. 388.

Dolichosoma emersoni Huxley. Carboniferous of Ireland. Huxley, 1867—Trans. Roy. Irish Acad., XXIV, p. 366, pl. xxi, fig. 3.

Dolichosoma huxleyi Lydekker. Coal Measures of Ireland. Cat. Foss. Mamm. &c., Science and Arts Museum 1889, p. 60.

Dolichosoma longissimum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 108, Taf. 17, 18, 22.

Dolichosoma scutiferum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. IV, p. 87, Taf. 162, figs. 1-5.

Ekhainacanthus tschernyschewi Yakowlew. Trias of Spitzbergen. Yakowlew, Verh. Russ. Min. Ges. (2), xli, p. 165.

Eobaphetes (*Erpetosuchus*) *kansensis* Moodie. Carboniferous of Kansas. Moodie, 1911—Proc. U. S. Natl. Museum, 39, p. 489.

Eobatrachus agilis Marsh. Jurassic of Wyoming. Marsh, 1887—Amer. Journ. Sci., (3), xxxiii, p. 328.

Eosaurus acadianus Marsh. Carboniferous of Nova Scotia. Marsh, 1862—Amer. Journ. Sci., xxxiv, p. 1, pls. 1-3.

Eoserpeton (*Ceraterpeton*) *tenuicorne* Cope. Carboniferous of Ohio. Cope, 1875—Geol. Surv. Ohio, II, pt. ii, p. 372, pl. 42, fig. 2.

Erierpeton branchialis Moodie. Carboniferous of Illinois. Moodie, 1912—Kans. Univ. Sci. Bull., VI, p. 329, pl. 1, fig. 3; pl. 2, fig. 1.

Erpetocephalus rugosus Huxley. Carboniferous of Ireland. Huxley, 1867—Trans. Roy Irish Acad., xxiv, p. 568, pl. xxiii, fig. 2.

Erpetosaurus acutirostris Moodie. Carboniferous of Ohio. Moodie, 1909—Bull. Amer. Mus. Natl. Hist., xxvi, p. 349.

Erpetosaurus minutus Moodie. Carboniferous of Pennsylvania. Moodie, 1909—Proc. U. S. Natl. Museum, 37, p. 21, pl. 8, fig. 1.

Erpetosaurus obtusus Cope. Carboniferous of Ohio. Cope, 1868—Proc. Acad. Natl. Sci., Phila., p. 213.

Erpetosaurus radiatus Cope. Carboniferous of Ohio. Cope, 1874—Trans. Amer. Philos. Soc., xv, p. 273.

Erpetosaurus sculptilis Moodie. Carboniferous of Pennsylvania. Moodie, 1909—Journ. Geol., xvii, p. 61, figs. 11-12.

Erpetosaurus tabulatus Cope. Carboniferous of Ohio. Cope, 1877—Proc. Amer. Philos. Soc., xvi, p. 577.

Erpetosaurus tuberculatus Moodie. Carboniferous of Ohio. Moodie, 1909—Bull. Amer. Mus. Natl. Hist., xxvi, p. 348, pl. lviii.

Eryops grandis Marsh. Permian of New Mexico. Amer. Jour. Soc., 1878, p. 211.

Eryops latus Case. Permian of Texas. Case, 1903—Journ. Geol., xi, p. 394, fig. 1.

Eryops megacephalus Cope. Permian of Texas. Cope, 1877—Proc. Amer. Philos. Soc., p. 188.

Eryops (?) (*Ichthycanthus*) *platypus* Cope. Carboniferous of Ohio. Cope, 1888—Trans. Amer. Philos. Soc., p. 289, text fig.

Eryops reticulatus Cope. Permian of New Mexico. Cope, 1881—Amer. Natl., xv, p. 1020.

Eryops willistoni Moodie. Permian of Oklahoma. Moodie, 1911—Kan. Univ. Sci. Bull., V, No. 13, p. 243-253, pls. xlix-liv.

Euchirosaurus rochei Gaudry. Permian of Igornay. Gaudry, 1878—Bull. Soc. Geol., France, p. 62, pl. vi.

Eumicrerpeton parvum Moodie. Carboniferous of Illinois. Moodie, 1910—Amer. Natl., xliv, p. 367.

Eupelor durus Cope. Triassic of Pennsylvania. Cope, 1866—Proc. Acad. Natl. Sci., Phila., p. 250.

Eurycervix postumus von Huene. Triassic of Germany. Von Huene, 1902—Geol. Paleon. Abhandl., Bd. VI, p. 21, pl. ix, fig. 2.

Eurythorax sublaevis Cope. Carboniferous of Ohio. Cope, 1871—Proc. Amer. Philos. Soc., p. 177.

Fritschia curtidentata Dawson. Carboniferous of Nova Scotia. Dawson, 1876—Amer. Journ. Sci., (3), xii, p. 444.

Gaudrya latistoma Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. II, p. 31, Taf. 61, figs. 1-3, 6.

Gephyrostegus bohemicus Jaekel. Permo-Carboniferous of Bohemia. Jaekel, 1902—Zeit. d. Deutsch. Geol. Gesell, p. 127, fig. 1.

Glyptognathus fragilis Lydekker. Gondwana series of India. Lydekker, 1882—Records of the Geol. Surv., India, xv, p. 27, pl. 1, fig. 1.

Gondwanosaurus bijoriensis Lydekker. Bijori group of India. Lydekker, 1885—Paleontologia Indica, ser. IV, vol. I, pt. 4, p. 1, pls. 1-4.

Gonioglyptus huxleyi Lydekker. Gondwana Beds of India. Lydekker, 1882—Records Geol. Surv., India, xv, p. 26, pl. 1, figs. 5, 8.

Gonioglyptus longirostris Huxley. Panchet Rocks (Trias) of India. Huxley, 1865—Paleontologia Indica, ser. IV, vol. 1, p. 3, pl. vi.

Gymnarthus willoughbyi Case. Permian of Texas. Case, 1910—Bull. Amer. Mus. Natl. Hist., xxviii, p. 177.

Heliarchon furcillatus Meyer. Lower Miocene of Switzerland. Von Meyer—Paleontographica, X, pl. II, figs. 5-6.

Hemitrypus jordanianus Cope. Laramie Cretaceous of Montana. Cope, 1876—Proc. Acad. Nat. Sci. Phila., p. 358.

Hylaeobatrachus croyii Dollo. Wealden of Belgium. Dollo, 1884—Bull. Mus. Roy. Hist. Nat. Belg., III, p. 85, pl. iii.

Hylerpeton dawsonii Owen. Carboniferous of Nova Scotia. Owen, 1862—Q. J. G. S., XVIII, p. 241, pl. ix.

Hylerpeton intermedium Dawson. Carboniferous of Nova Scotia. Dawson, 1895—Trans. Roy. Soc. Canada, p. 75.

Hylerpeton longidentatum Dawson. Carboniferous of Nova Scotia. Dawson, 1876—Amer. Journ. Sci. (3), xii, p. 444.

Hylonomus acuminatus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 88, text fig. 41.

Hylonomus fritschii Gein. & Deich. Permian of Saxony. Credner, 1885—Zeit. d. Deutsch. Geol. Gesell., p. 724, pl. 29.

Hylonomus geinitzi Credner. Permian of Saxony. Credner, 1890—Zeit. d. Deutsch Geol. Gesell, p. 242.

Hylonomus latidens Dawson. Carboniferous of Nova Scotia. Dawson, 1882—Phil. Trans. Roy. Soc. Lond., p. 637, pl. 39.

Hylonomus lyelli Dawson. Carboniferous of Nova Scotia. Dawson, 1860—Q. J. G. S., XI, p. 274, figs. 14-18.

Hylonomus multidens Dawson. Carboniferous of Nova Scotia. Dawson, 1882—Phil. Trans. Roy. Soc. Lond., p. 637, pl. 39.

Hylonomus (?) pictus Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 89, Taf. 12, figs. 1, 4, 15.

Hylonomus wildi Woodward. Carboniferous of England. Woodward, 1891—Geol. Mag., N. S. Dec. III, vol. 8, p. 211.

Hylonomus wymani Dawson. Carboniferous of Nova Scotia. Dawson, 1860—Q. J. G. S., XI, p. 277, figs. 27-29.

Hyloplesion (Hylonomus) longicostatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 160, Taf. 27, fig. 5, Taf. 36, fig. 2, Taf. 37, 38, 39.

Hyphasma laevis Cope. Carboniferous of Ohio. Cope, 1875—Proc. Acad. Nat. Sci. Phila., 16.

Ichthycanthus ohioensis Cope. Carboniferous of Ohio. Cope, 1877—Proc. Amer. Philos. Soc., p. 573.

Ichthyerpeton bradleyae Huxley. Carboniferous of Ireland. Huxley, 1867—Trans. Roy. Irish Acad., xxiv, p. 367.

Ichthyerpeton hibernicum, Lydekker. Carboniferous of England. Lydekker, 1880—Q. J. G. S., xlvii, p. 343.

Ichthyerpeton squamosum Moodie. Carboniferous of Ohio. Moodie, 1909—Journ. Geol., xvii, pp. 69-71.

Labyrinthodon lavisi Seeley. Trias of Sidmouth. Seeley, 1876—Q. J. G. S., xxxii, p. 278, pl. xix.

Labyrinthodon leptognathus Owen. Keuper of Warwick. Owen, 1842—Trans. Geol. Soc., vi, p. 503, pl. xlii, xliv.

Latonia gigantea (Rana gigantea, Rana rugosa, Latonia rugosa) Lartèt. Middle Miocene of Susan. Lartèt, 1851—Notice de la Colline du Susan, p. 41.

Latonia seyfriedi von Meyer. Miocene of Switzerland. Von Meyer, 1843—Neues Jahrb. f. Mineral., p. 580.

Labyrinthodontosaurus simmii Barkas. Carboniferous of England. Barkas, 1873—Coal Measure Paleontology, p. 75.

Lepidotosaurus duffii Hancock and Howes. Permian of Durham. Hancock and Howes, 1870—Q. J. G. S., xxvi, p. 556, pl. 38.

Lepterpeton dobbsii Huxley. Carboniferous of Ireland. Huxley, 1867—Trans. Roy. Irish Acad., xxiv, p. 362, pl. xxi, figs. 1-2.

Leptodactylus ocellatus Linné. Pleistocene of Brazil. Lydekker, 1890—Catalogue of Fossil Amph. and Rept., p. 125.

Leptodactylus pentadactylus Laurenti. Pleistocene of Brazil. Lydekker, 1890—Cat. Fossil Rept. and Amph., p. 124.

Leptognathosaurus elongatus Barkas. Carboniferous of England. Barkas, 1873—Coal Measure Paleontology, p. 100.

Leptophractus dentatus Moodie. Carboniferous of Ohio. Moodie.

Leptophractus lineolatus Cope. Carboniferous of Ohio. Cope, 1877—Proc. Amer. Phil. Soc., p. 576.

Leptophractus obsoletus Cope. Carboniferous of Ohio. Cope, 1873—Proc. Acad. Natl. Sci. Phila., p. 341.

Limnerpeton caducum Fritsch. Permian of Bohemia. Fritsch, Fauna der Gaskohle, Bd. I, p. 158, text fig. 101.

Limnerpeton difficile Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 157, text fig. 99-100.

Limnerpeton dubium Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 157, Taf. 33, figs. 4-5.

Limnerpeton elegans Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 152, Taf. 34.

Limnerpeton laticeps Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 148, Taf. 31.

Limnerpeton macrolepis Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 151, Taf. 32-33.

Limnerpeton modestum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 147, Taf. 27, fig. 7.

Limnerpeton obtusatum Fritsch. Permian of Bohemia. Fauna der Gaskohle, Bd. I, p. 154, Taf. 35, figs. 1-7.

Loxomma allmani Huxley. Carboniferous of Scotland. Huxley, 1862—Q. J. G. S., xviii, p. 293.

Loxomma bohemicum Fritsch. Permian of Bohemia. Fritsch. Fauna der Gaskohle, Bd. II, p. 16, Taf. 58, figs. 3-9.

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